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(54) Title: METHOD OF LAUNDERING COLOURED FABRICS

(57) Abstract: A method of treating coloured fabrics with a luminance (L*)Less than 50, preferably black garments, which comprises contacting the fabrics with a wash liquor comprising:a) 0.1 - 0.001 g/L of a hydroxy C2-C4 alkyl derivative of a beta 1-4 polysaccharide, which is preferably hydroxyethyl cellylose andb) surfactant.





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C. DOCUMENTS CONSIDERED TO BE RELEVANT									
Category *	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.						
X	WO 99 61479 A (METSA SPEC CHEM OY) 2 December 1999 (1999-12-02) page 4, line 11 - line 17; claims page 5, line 9 - line 35		1–10						
X	WO 00 65015 A (PROCTER & GAMBLE) 2 November 2000 (2000-11-02) page 2, line 16 - line 25; claims examples page 13, line 16 - line 22 page 18, line 8 - line 26	1–10							
X	WO 98 29528 A (PROCTER & GAMBLE) 9 July 1998 (1998-07-09) page 3, line 10 -page 8, line 16;	1–10							
Furth	ner documents are listed in the continuation of box C.	X Patent family members are listed	in annex.						
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Internation Application No PCT/EP 03/12926

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9961479	A	02-12-1999	FI	981149 A	26-11-1999
	••		ΑŪ	747262 B2	09-05-2002
			AU	3334499 A	13-12-1999
_			AU	3422399 A	13-12-1999
•			BR	9906504 A	26-09-2000
			CN	1272116 T	01-11-2000
			EP	0998498 A1	10-05-2000
			WO	9961478 A1	02-12-1999
			WO	9961479 A1	02-12-1999
			HU	0100160 A2	28-06-2001
			JP	2002516353 T	04-06-2002
			PL	339291 A1	04-12-2000
			TR	200000242 T1	21-02-2001
			TW	500728 B	01-09-2002
•			US	2003040622 A1	27-02-2003
			US	6600033 B1	29-07-2003
			ZA	200000301 A	26-02-2001
WO 0065015	Α	02-11-2000	AU	4660700 A	10-11-2000
			MO	0065015 A2	02-11-2000
WO 9829528	Α	09-07-1998	AT	245184 T	15-08-2003
-			BR	9714097 A	21-03-2000
			CA	2276188 A1	09-07-1998
			CN	1247558 A	15-03-2000
			DE	69723575 D1	21-08-2003
			EP	0948591 A2	13-10-1999
			JP	2001507396 T	05-06-2001
			WO	9829528 A2	09-07-1998